

Group B Strep (GBS) Infections

Selected References:

- American College of Obstetricians and Gynecologists (ACOG). 2019. ACOG Committee Opinion, number 782. Prevention of Group B Streptococcal early-onset disease in newborns: 2019. *Obstet Gynecol*, 134(1):e19-e40.
- Bae GE, et al. 2016. Acute placental villitis as evidence of fetal sepsis: an autopsy case report. *Pediatr Dev Pathol* 19(2): 165-168.
- Cape A, et al. 2013. Peripartum bacteremia in the era of group B streptococcus prophylaxis. *Obstet Gynecol*. 121(4):812-818.
- Charles D, Larsen B. 10986. Streptococcal puerperal sepsis and obstetric infections: a historical perspective. *Rev Infect Dis* 8:411-422.
- Daskalakis G, et al. 2023. Maternal Infection and Preterm Birth: From Molecular Basis to Clinical Implications. *Children (Basel)*. 10(5):907.
- Giakoumelou S, et al. 2016. The role of infection in miscarriage. *Hum Reprod Update*. 22(1):116-33.
- Kenchington AL, Lamont RF. 2017. Group B streptococcal immunisation of pregnant women for the prevention of early and late onset Group B streptococcal infection of the neonate as well as adult disease. *Expert Rev Vaccines*. 16(1):15-25.
- Nan C, et al. 2015. Maternal group B streptococcus-related stillbirth: a systemic review. *BJOG* 122(11): 1437-1445.
- Oghbaei H, et al. 2020. Effects of bacteria on male fertility: spermatogenesis and sperm function. *Life Sciences* 256: 117891.
- Olver WJ, et al. 200. Neonatal group B streptococcal disease associated with infected breast milk. *Arch Dis Child Fetal Neonatal Ed* 83:F48-49.
- Polcwiartek LB, et al. 2021. Early-onset sepsis in term infants admitted to neonatal intensive care units (2011-2016). *J Perinatol*. 1(1):157-163.
- Petersen KB, et al. 2014. Increasing prevalence of group B streptococcal infection among pregnant women. *Dan Med J*. 2014 Sep;61(9):A4908.
- Ravel J, et al. 2021. Bacterial vaginosis and its association with infertility, endometritis, and pelvic inflammatory disease. *Am J Obstet Gyn* 224(3): 251-257.
- Staford IA, et al. 2018. The strong correlation between neonatal early onset group B streptococcal disease and necrotizing enterocolitis. *Eur J Obstet Gynecol Reprod Biol* 223:93-97.
- S. Centers for Disease Control and Prevention (CDC). 2024. Clinical Overview of Group B Strep Disease. Available at: <https://www.cdc.gov/group-b-strep/hcp/clinical-overview/index.html>. Accessed September 30 2024.
- Verani JR, et al; Division of Bacterial Diseases, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention (CDC). 2010. Prevention of perinatal group B streptococcal disease—revised guidelines from CDC, 2010. *MMWR Recomm Rep*. 59(RR-10):1-36.

¿Preguntas? Llame al 866.626.6847 | Texto 855.999.3525 | Correo electrónico o chat en [MotherToBaby.org](https://www.MotherToBaby.org) .

Descargo de responsabilidad: las hojas informativas de MotherToBaby están destinadas a fines de información general y no deben reemplazar los consejos de su proveedor de atención médica. MotherToBaby es un servicio de la Organización sin fines de lucro de Especialistas en Información de Teratología (OTIS). Copyright de OTIS, 1 de octubre de 2024.

Group B Strep (GBS) Infections

Selected References:

- Ito S, et al. 1993. Prospective follow-up of adverse reactions in breast-fed infants exposed to maternal medication. *Am J Obstet Gynecol.* 168:1393-9. Messinis IE, et al. 1985. Histamine H1 receptor participation in the control of prolactin secretion in postpartum. *J Endocrinol Invest.* 8:143-6.
- Pontiroli AE, et al. 1981. The effect of histamine and H1 and H2 receptors on prolactin and luteinizing hormone release in humans: sex differences and the role of stress. *J Clin Endocrinol Metab.* 52:924-8.
- Product information. Azelastine Nasal. Perrigo New York, 2024. Available at: <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=82610437-25f4-4ae0-9d6a-381e9932f87d>.
- Suzuki Y, et al. 1981. Teratology and reproduction studies of azelastine, a novel antiallergic agent, in rats and rabbits. *Arzneim-Forsch.* 31:1225-30.
- Tatsumi K, et al. 1980. Studies of metabolic fate of a new antiallergic agent, azelastine. *Jpn J Pharmacol.* 30:37-48.

¿Preguntas? Llame al 866.626.6847 | Texto 855.999.3525 | Correo electrónico o chat en [MotherToBaby.org](https://www.MotherToBaby.org) .

Descargo de responsabilidad: las hojas informativas de MotherToBaby están destinadas a fines de información general y no deben reemplazar los consejos de su proveedor de atención médica. MotherToBaby es un servicio de la Organización sin fines de lucro de Especialistas en Información de Teratología (OTIS). Copyright de OTIS, 1 de octubre de 2024.

Group B Strep (GBS) Infections

Selected References:

- ACAM2000® Product Insert. Revised 08/2024. Available at URL: <https://www.fda.gov/media/75792/download>.
- Centers for Disease Control and Prevention. 2016. Contraindications to vaccination: nonemergency use of smallpox vaccine. Available at URL: <https://www.cdc.gov/smallpox/clinicians/vaccination-contraindications1.html>.
- Meaney-Delman, DM, et al. 2022. A primer on monkeypox virus for obstetrician-gynecologists, *Obstetrics & Gynecology*. Published online July 11, 2022. DOI: <https://doi.org/10.1097/AOG.0000000000004909>.
- Ryan MD, et al. 2003. Women with smallpox vaccine exposure during pregnancy reported to the national smallpox vaccine in pregnancy registry — United States, 2003. *MMWR Morb Mortal Wkly Rep* 2003;52(17):386-388.

¿Preguntas? Llame al 866.626.6847 | Texto 855.999.3525 | Correo electrónico o chat en [MotherToBaby.org](https://www.MotherToBaby.org) .

Descargo de responsabilidad: las hojas informativas de MotherToBaby están destinadas a fines de información general y no deben reemplazar los consejos de su proveedor de atención médica. MotherToBaby es un servicio de la Organización sin fines de lucro de Especialistas en Información de Teratología (OTIS). Copyright de OTIS, 1 de octubre de 2024.

Group B Strep (GBS) Infections

Selected References:

- Repatha® Prescribing Information. Available online at https://www.pi.amgen.com/-/media/Project/Amgen/Repository/pi-amgen-com/Repatha/repatha_pi_hcp_english.pdf accessed on October 17, 2024.

¿Preguntas? Llame al 866.626.6847 | Texto 855.999.3525 | Correo electrónico o chat en [MotherToBaby.org](https://www.MotherToBaby.org) .

Descargo de responsabilidad: las hojas informativas de MotherToBaby están destinadas a fines de información general y no deben reemplazar los consejos de su proveedor de atención médica. MotherToBaby es un servicio de la Organización sin fines de lucro de Especialistas en Información de Teratología (OTIS). Copyright de OTIS, 1 de octubre de 2024.

Group B Strep (GBS) Infections

Selected References:

- Bayliss H, et al. 2002. Anti-hypertensive drugs in pregnancy and fetal growth: evidence for «pharmacological programming» in the first trimester? *Hypertens Pregnancy*; 21:161-74.
- Bratton S, et al. 2024. Does atenolol use during pregnancy cause small for gestational age neonates? A meta-analysis. *Journal of Perinatal Medicine*, 52(8), 858-862.
- Caton AR, et al. 2009. Antihypertensive medication use during pregnancy and the risk of cardiovascular malformations. *Hypertension*; 54(1):63-70.
- Easterling TR, et al. 1999. Prevention of preeclampsia: a randomized trial of atenolol in hyperdynamic patients before onset of hypertension. *Obstet Gynecol*; 93(5 Pt 1):725-733.
- Eyal S, et al. 2010. Atenolol pharmacokinetics and excretion in breast milk during the first 6 to 8 months postpartum. *J Clin Pharmacol*; 50:1301-9.
- Fogari R, et al. 1998. Sexual function in hypertensive males treated with lisinopril or atenolol: a cross-over study. *American journal of hypertension*. 11(10): 1244-47.
- Fogari R, et al. 2002. Effect of antihypertensive treatment with valsartan or atenolol on sexual activity and plasma testosterone in hypertensive men. *Eur J Clin Pharmacol*; 58: 177-80.
- Guo D, et al. 2017. Hypertension and male fertility. *The world journal of men's health*; 35.2: 59-64.
- Kirch W & Görg KG. 1982. Clinical pharmacokinetics of atenolol—a *Circ J*. 80(10): 2221-6.
- Lip GY, et al. 1997. Effect of atenolol on birth weight. *Am J Cardiol*; 79: 1436-8.
- Lwin EMP, et al. 2018. Estimation of atenolol transfer into milk and infant exposure during its use in lactating women. *J Hum Lact*; 34(3):592-599.
- Lydakakis C, et al. 1999. Atenolol and fetal growth in pregnancies complicated by hypertension. *Am J Hypertens*; 12:541-7.
- Mayo Foundation for Medical Education and Research, 2022, Atenolol (Oral Route), Mayo 1: 1-10
- Montan S, et al. 1987. Fetal and uteroplacental haemodynamics during short term atenolol treatment of hypertension in pregnancy. *Br J Obstet Gynaecol*; 94:312-317.
- Orbach H, et al. 2013. Hypertension and antihypertensive drugs in pregnancy and perinatal outcomes. *Am J Obstet Gynecol*; 208(4): 301.e1-301.e6.

- Räsänen J, Jouppila P. 1995. Uterine and fetal hemodynamics and fetal cardiac function after atenolol and pindolol infusion. A randomized study. Eur J Obstet Gynecol Reprod Biol; 62:195-201.
- Reynolds B, et al. 1984. First year of life after the use of atenolol in pregnancy associated with hypertension. Arch Dis Child; 59(11):1061-1063.
- Rubin PC, et al. 1983. Placebo-controlled trial of atenolol in treatment of pregnancy-associated hypertension. Lancet; 1:431-4.
- Rubin PC, et al. 1984. Obstetric aspects of the use in pregnancy-associated hypertension of the beta-adrenoceptor antagonist atenolol. Am J Obstet Gynecol; 150:389-92.
- Schimmel M, et al. 1989. Toxic effect of atenolol consumed during breast feeding. J Pediatrics; 114:476-8.
- Tabacova S, et al. 2003. Atenolol developmental toxicity: animal-to-human comparisons. Birth Defects Res; 67:181-92.
- Tanaka K, 2016. Beta-blockers and fetal growth restriction in pregnant women with cardiovascular
- Thorley KJ, McAnish J. 1983. Levels of the beta-blockers atenolol and propranolol in the breast milk of women treated for hypertension in pregnancy. Biopharm Drug Dispos; 4:229-301.
- White WB, et al. 1984. Atenolol in human plasma and breast milk. Obstet Gynecol; 63 (S1):42-44. **European journal of drug metabolism and pharmacokinetics**, 7 (2), 81-91. <https://doi.org/10.1007/BF03188723>.

¿Preguntas? Llame al 866.626.6847 | Texto 855.999.3525 | Correo electrónico o chat en [MotherToBaby.org](https://www.MotherToBaby.org) .

Descargo de responsabilidad: las hojas informativas de MotherToBaby están destinadas a fines de información general y no deben reemplazar los consejos de su proveedor de atención médica. MotherToBaby es un servicio de la Organización sin fines de lucro de Especialistas en Información de Teratología (OTIS). Copyright de OTIS, 1 de octubre de 2024.